

AO 120 (Rev. 3/04)

TO: Mall Stop 8 Director of the U.S. Patent and Trademark Office P.O. Box 1450 Alexandria, VA 22313-1450	REPORT ON THE FILING OR DETERMINATION OF AN ACTION REGARDING A PATENT OR TRADEMARK
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In Compliance with 35 U.S.C. § 290 and/or 15 U.S.C. § 1116 you are hereby advised that a court action has been filed in the U.S. District Court Northern District of Georgia on the following ☒ Patents or ☐ Trademarks:

DOCKET NO. 1:10-cv-20-CAP	DATE FILED 1/5/2010	U.S. DISTRICT COURT Northern District of Georgia
PLAINTIFF Southern Mills, Inc.		DEFENDANT International Textiles Group, Inc.
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
1 US 7,589,036 B2	9/15/2009	Southern Mills, Inc.
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In the above—entitled case, the following patent(s)/ trademark(s) have been included:

DATE INCLUDED	INCLUDED BY	<input type="checkbox"/> Amendment <input type="checkbox"/> Answer <input type="checkbox"/> Cross Bill <input type="checkbox"/> Other Pleading
PATENT OR TRADEMARK NO.	DATE OF PATENT OR TRADEMARK	HOLDER OF PATENT OR TRADEMARK
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In the above—entitled case, the following decision has been rendered or judgement issued:

DECISION/JUDGEMENT						
<table border="1" style="width: 100%;"> <tr> <td style="width: 40%;">CLERK</td> <td style="width: 30%;">(BY) DEPUTY CLERK</td> <td style="width: 30%;">DATE</td> </tr> <tr> <td style="height: 20px;"></td> <td></td> <td></td> </tr> </table>	CLERK	(BY) DEPUTY CLERK	DATE			
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Copy 1—Upon initiation of action, mail this copy to Director Copy 3—Upon termination of action, mail this copy to Director
 Copy 2—Upon filing document adding patent(s), mail this copy to Director Copy 4—Case file copy



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(12) **United States Patent**
Corner et al.

(10) **Patent No.:** **US 7,589,036 B2**
(45) **Date of Patent:** ***Sep. 15, 2009**

(54) **FLAME RESISTANT FABRICS HAVING INCREASED STRENGTH**

(75) **Inventors:** Christopher Corner, Atlanta, GA (US); Charles S. Dunn, Mableton, GA (US)

(73) **Assignee:** Southern Mills, Inc., Union City, GA (US)

(*) **Notice:** Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 0 days.

This patent is subject to a terminal disclaimer.

(21) **Appl. No.:** 10/715,317

(22) **Filed:** Nov. 17, 2003

(65) **Prior Publication Data**
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Related U.S. Application Data

(63) Continuation-in-part of application No. 10/269,213, filed on Oct. 3, 2002, now Pat. No. 7,393,800, which is a continuation-in-part of application No. 10/165,793, filed on Jun. 7, 2002, now abandoned.

(51) **Int. Cl.**
D03D 15/12 (2006.01)

(52) **U.S. Cl.** 442/301; 442/302; 57/210; 57/224; 57/229; 57/243; 57/248

(58) **Field of Classification Search** 442/301, 442/302; 57/243, 248, 210, 224, 229
See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

3,729,920 A * 5/1973 Sayers et al. 57/227
4,304,811 A 12/1981 David et al.
4,615,934 A 10/1986 Ellison
4,670,327 A * 6/1987 Weber 442/200

5,141,542 A 8/1992 Fangeat et al.
5,299,602 A 4/1994 Barbeau et al.
5,527,597 A 6/1996 Stanhope et al.
5,597,646 A 1/1997 Keller
5,694,981 A 12/1997 Stanhope et al.
5,858,888 A 1/1999 Underwood et al.
5,928,971 A 7/1999 Ellis et al.
6,146,759 A * 11/2000 Land 428/370
6,410,140 B1 * 6/2002 Land et al. 428/377
6,460,321 B1 10/2002 Koshimae et al.
6,534,175 B1 3/2003 Zhu et al.
6,624,095 B2 * 9/2003 Thomas et al. 442/181
6,668,868 B2 12/2003 Howland et al.
6,691,317 B2 2/2004 Cochran
6,790,795 B2 9/2004 Erb, Jr. et al.
2002/0124544 A1 9/2002 Land et al.
2002/0155773 A1 10/2002 Maini
2003/0203690 A1 10/2003 Hess et al.
2003/0226612 A1 12/2003 Zhu et al.
2003/0228821 A1 12/2003 Zhu et al.
2004/0029473 A1 2/2004 McKee et al.
2004/0065072 A1 4/2004 Zhu et al.
2004/0152378 A1 8/2004 Stanhope et al.
2005/0032449 A1 2/2005 Lovasic et al.

FOREIGN PATENT DOCUMENTS

JP 09310236 12/1997

* cited by examiner

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(57) **ABSTRACT**

In one embodiment, a flame resistant fabric includes a plurality of flame resistant body yarns that form a body of the fabric, and a plurality of relatively tough yarns provided in discrete positions within the fabric body, the relatively tough yarns comprising a filament yarn that includes a filament composed of one of polyolefin, flame resistant polyester, polytetrafluoroethylene, polyetheretherketone, polyetherimide, polysulfar, polyimide, polyamide, polyimideamide, polybenzoxazole, polybenzimidazole, carbon, and glass.

25 Claims, 5 Drawing Sheets

